



**MIAMI-DADE COUNTY**  
**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)**  
**BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

## **NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/building/home/asp](http://www.miamidade.gov/building/home/asp)

**Signature Hardware, LLC**  
**211 Endeavor**  
**Rogersville, Missouri 65742**

### **SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County BNC -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### **DESCRIPTION: Series "Design Hardware 1000 & 2000" Panic Rim Exit Device-Component Approval**

**APPROVAL DOCUMENT:** Drawing No "AD11-10", titled "Design Hardware Series 2000 Rim Exit Device", sheets 1 through 3 of 3, prepared by MCY Engineering, Inc., dated 04-13-11 and last revised on JUL 20, 2011, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

### **MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

#### **Limitation:**

1. The Panic Exit Device component approval are to be used as an alternate in the single Outswing steel doors (36"W X 84"H max panel), having current NOA. Lower design of door or the panic component shall control.
2. Electrical device installation is not part of this approval, such installation to be reviewed by AHJ.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, New Taipei city, Taiwan and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

4  
9/13/11



**NOA No 11-0414.11**  
**Expiration Date: September 22, 2016**  
**Approval Date: September 22, 2011**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts drawings and sections.
2. Drawing No "AD11-10", titled "Design Hardware Series 2000 Rim Exit Device", sheets 1 through 3 of 3, prepared by MCY Engineering, Inc., dated 04-13-11 and last revised on JUL 20, 2011, signed and sealed by Yiping Wang, P.E.

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with manufacturer's parts and section drawings of double outswing steel doors, marked by Fenestration Testing Lab, Test Report No. **FTL-6222**, dated 05/18/10, signed and sealed by Jorge Causo, P. E.

**C. CALCULATIONS**

1. Not applicable

**D. QUALITY ASSURANCE**

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

**E. MATERIAL CERTIFICATIONS**

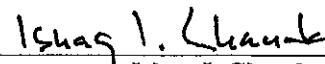
1. Tensile test report # FTL-6222, dated 05/18/10 prepared by fenestration Testing lab, signed & sealed by Jorge Causo, P.E.

**F. STATEMENTS**

1. Statement letter of conformance and letter of no financial interest, prepared by MCY Engineering, Inc., dated 04-13-11 and last revised on JUL 20, 2011, signed and sealed by Yiping Wang, P.E.
2. Letter of authorization dated March 17, 2011 issued by Vision Hollow Metal Limited, authorizing use of test report # **FTL-6222** to obtain component NOA for panic hardware, signed by Nick Sirgusa, President Vision Hollow Metal Limited.
3. Certificate of Organization issued by State of Missouri to Signature Hardware, LLC dated June 7<sup>th</sup>, 2001, signed by Matt Blunt, Secretary of State.
4. Certificate of Fictitious Registration dated 1/5/2006 in the state of Missouri, under Design Hardware issued to Signature Hardware, LLC.
5. Distributor agreement dated July 22, 2011 between Signature Hardware dba Design Hardware, USA and Design Hardware Asia, Taiwan dated July 25, 2011, signed by Johannes Lopez and Chang Lu Chiu-Lan, respectively on behalf of their company.
6. Statement of lab compliance, as part of test reports & marked-up Dwgs referenced above.

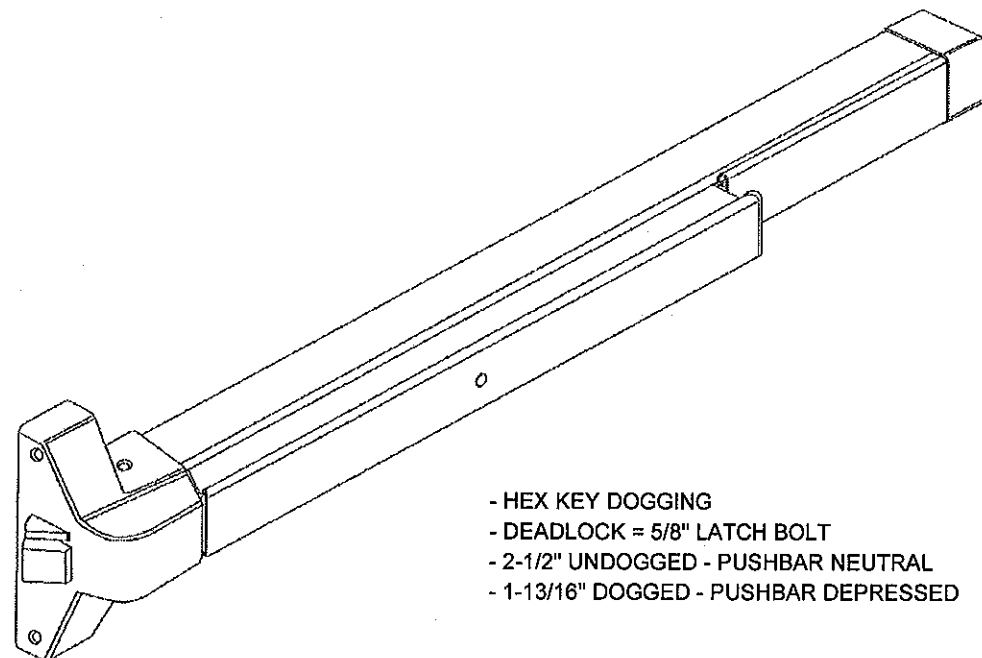
**G. OTHER**

1. Design Hardware Panic devices & Lockwood mullion brochures / catalogs supplied by the Vision Hollow Metal Limited per NOA # 10-0623.02.



Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 11-0414.11

Expiration Date: September 22, 2016  
Approval Date: September 22, 2011



- HEX KEY DOGGING
- DEADLOCK = 5/8" LATCH BOLT
- 2-1/2" UNDOGGED - PUSHBAR NEUTRAL
- 1-13/16" DOGGED - PUSHBAR DEPRESSED

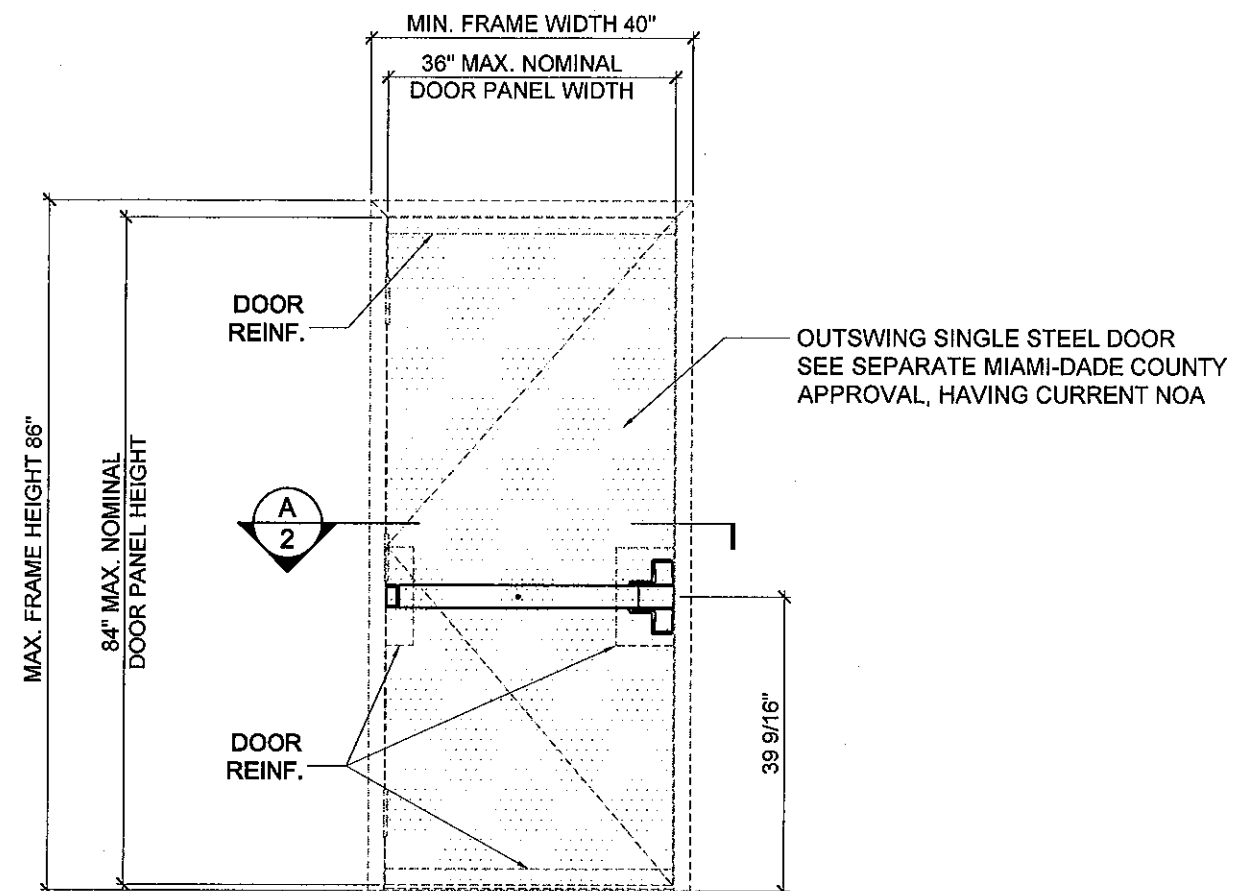
## DESIGN HARDWARE SERIES 2000 RIM PANIC EXIT DEVICE (LMI) - COMPONENT APPROVAL

### GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- HARDWARES WERE TESTED FOR LARGE MISSILE IMPACT.
- DESIGN HARDWARE SERIES 2000 RIM PANIC LOCATED AT 39 9/16" UP FROM BOTTOM EDGE OF THE OPERABLE PANEL.

#### LIMITATIONS:

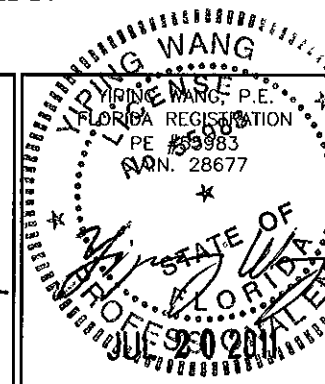
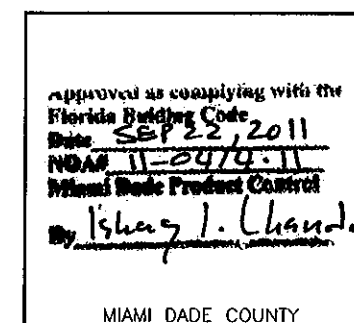
- 1 - THE LOCKING PANIC HARDWARE PRODUCTS LISTED IN THIS NOA SHALL BE USED IN CONJUNCTION WITH CURRENT NOA'S UTILIZING SIMILAR LOCKING COMPONENTS. DESIGN PRESSURE RATING WILL BE LIMITED BY THE LOWEST RATED APPROVAL. THE PRODUCT CAN BE USED WITH HOLLOW - METAL STEEL DOORS HOLDING CURRENT NOA.
- 2 - THIS HARDWARE COMPONENT IS APPROVED AS AN ALTERNATIVE DEVICE TO BE USED IN A SINGLE PANEL STEEL DOOR HOLDING CURRENT NOA. THE LOWEST DESIGN PRESSURE RATING OF THIS COMPONENT OR THE DOOR SHALL APPLY.
- 3 - DOOR PANEL SHALL BE CORE FILLED WITH APPROVED PAPER HONEYCOMB OR CORE COMPLYING WITH FBC OPTIONS. WITH MINIMUM OVERALL 1.75" THICKNESS.
- 4 - DOOR PANEL FACE SHEET: MIN. 20 GA.(0.032" THK.) STEEL Fy = 47.5 KSI MIN. DOOR FRAME: MIN. 18 GA. (0.053" THK.) STEEL Fy = 45.1 KSI MIN.



### (X) INTERIOR ELEVATION

**MAX. DESIGN LOAD**  
(FOR SIZES SHOWN ABOVE OR SMALLER)  
AS PERMITTED BY FBC  
**+75.0 PSF**  
**-75.0 PSF**

- 5 - DOOR PANEL OPTION: STAINLESS STEEL A316 OR A304 MIN. 20 GA. (0.032" THK.) Fy=47.5 KSI OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.  
DOOR FRAME OPTION: STAINLESS STEEL A316 OR A304 MIN. 18 GA. (0.053" THK.) Fy=45.1 KSI OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.
- 6 - REINFORCEMENTS:
  - 6.1 - MIN. 14" LONE PANIC BOX REINF. ( 1-3/16" x 4-3/16" x 16GA) @ DOOR & HINGE STILES AT PANIC LOCATION AS REQUIRED.
  - 6.2 - MIN. 1-5/8" x 1-3/16" x 16GA (.053") FULL LENGTH END CHANNEL @ TOP & BOTTOM OF THE DOOR PANEL IS REQUIRED.
- 7 - ELECTRICAL INSTALLED IS NOT PART OF THE APPROVAL & SUCH INSTALLATION MUST BE REVIEWED BY CORRESPONDING BUILDING AUTHORITY.



REVISIONS		
NO.	DATE	DESCRIPTION
1	06-18-10	AS PER BCD COMMENTS

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

**MCY**

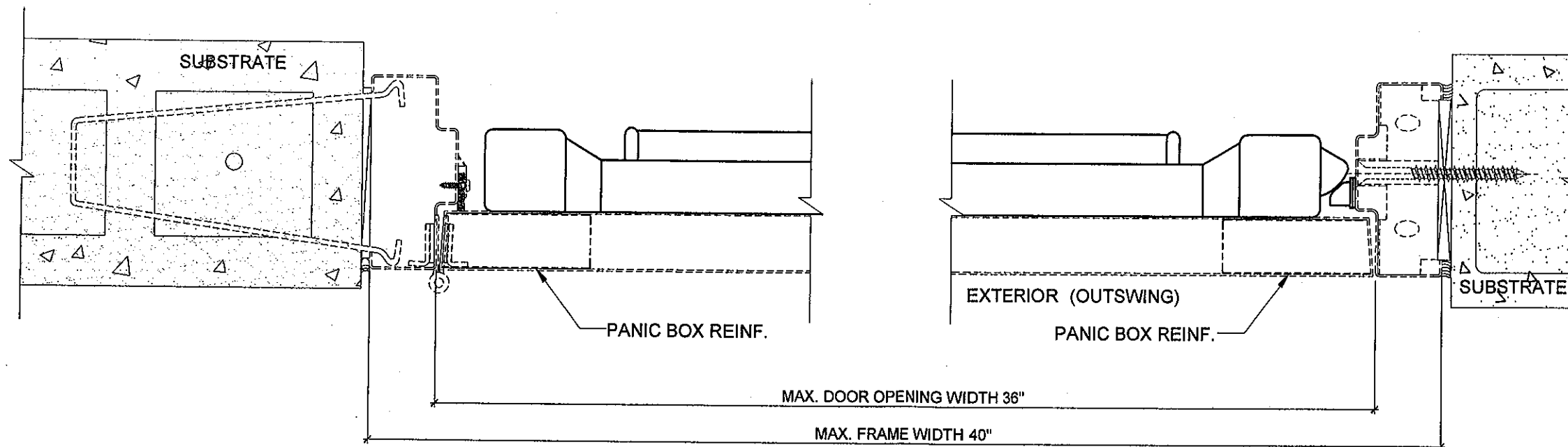
9110 SW SUNSET DRIVE  
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F: 786.573.5063  
www.MCYEngineering.com  
MCY.Engineering@Att.net

DESIGN HARDWARE SERIES 2000 RIM EXIT DEVICE

SIGNATURE HARDWARE LLC

211 ENDEAVOR  
ROGERSVILLE, MISSOURI 65742  
P: (877) - 258 - 1262

DATE	04/13/11
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	MCY11-025
DRAWING NO.	AD11-10
1 OF 3	

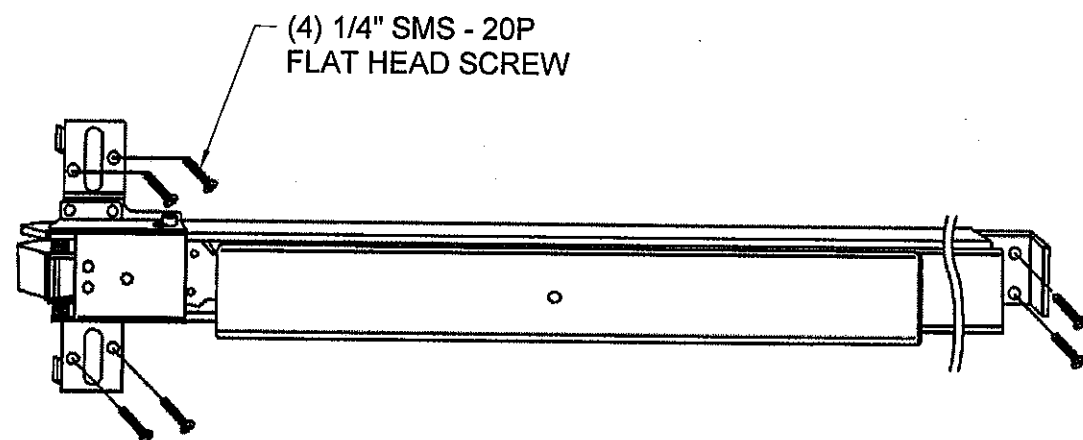


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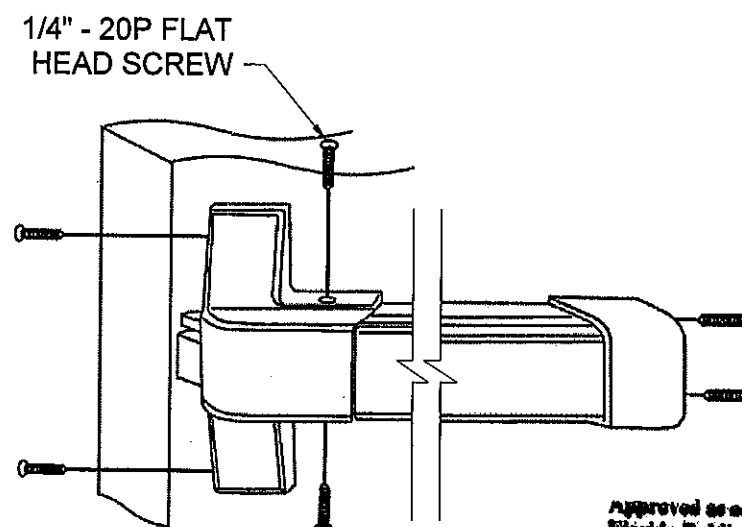
## SERIES 2000 RIM EXIT DEVICE

### NOTE:

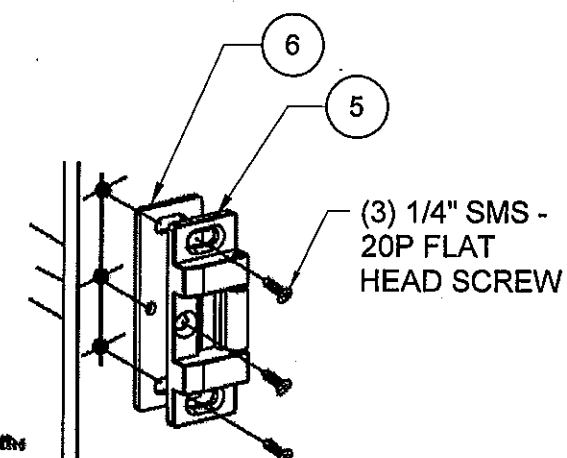
HOLLOW METAL STEEL DOORS & FRAME  
SIZES AND ITS ANCHORS & SUBSTRATE  
AS PER DOOR CURRENT HOLDING NOA



STEP #1



STEP #2



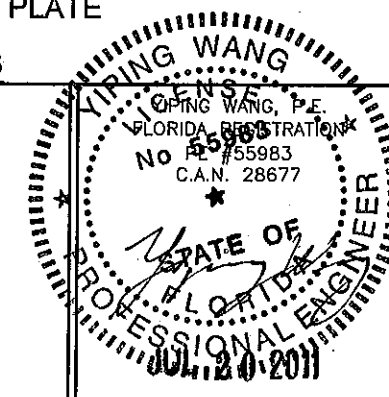
STEP #3

## SERIES 2000 RIM PANIC EXIT DEVICE INSTALLATION

Approved as complying with the  
Florida Building Code  
Date SEP 22, 2011  
NOA# 11-2974-V-11  
Miami Dade Product Control  
*Shag I. Chaulk*

ROLLER STRIKE PLATE

MIAMI DADE COUNTY



DATE	04/13/11
SCALE	AS NOTED
DRAWN	SL
PROJECT	MCY11-025

DRAWING NO.  
AD11-10

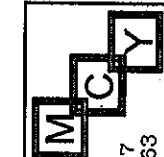
2 OF 3

DESIGN HARDWARE SERIES 2000 RIM EXIT DEVICE  
SIGNATURE HARDWARE LLC

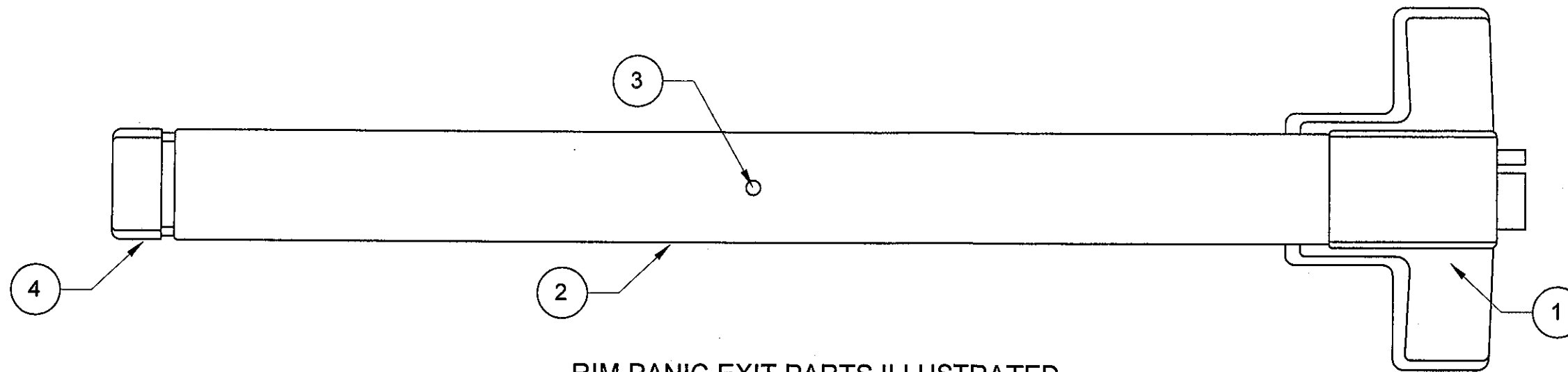
211 ENDEAVOR  
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MCY ENGINEERING, INC.  
GLAZING CONSULTANTS

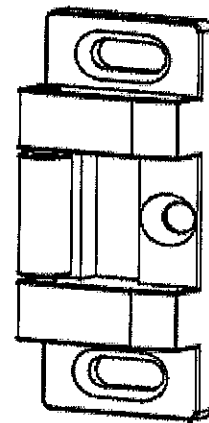
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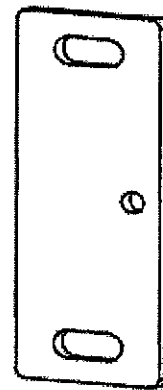
NO.	DATE	DESCRIPTION
1	06-18-10	AS PER BCD COMMENTS



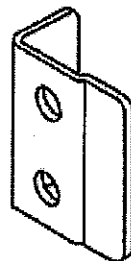
RIM PANIC EXIT PARTS ILLUSTRATED



5 ROLLER STRIKE



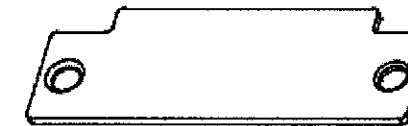
6 STRIKE SHIM



7 END COVER MOUNTING BRACKET



8 LATCHBOLT FILLER PLATE

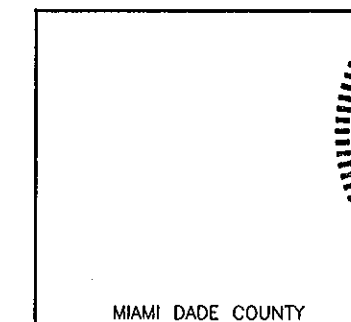


9 ASA FILLER PLATE

**BILL OF MATERIALS**

ITEM NO.	MATERIAL	QUANTITY	DESCRIPTION	MANF./SUPPLIER/REMARKS
①	STEEL	1	HEAD COVER	DESIGN HARDWARE
②	STEEL	1	ACTUATING BAR	DESIGN HARDWARE
③	STEEL	1	DOGGING DEVICE	DESIGN HARDWARE
④	STEEL	1	END COVER	DESIGN HARDWARE
⑤	STEEL	1	ROLLER STRIKE	DESIGN HARDWARE
⑥	STEEL	1	STRIKE SHIM	DESIGN HARDWARE
⑦	STEEL	1	END COVER MOUNTING BRACKET	DESIGN HARDWARE
⑧	STEEL	1	LATCHBOLT FILLER PLATE	DESIGN HARDWARE
⑨	STEEL	1	ASA FILLER PLATE	DESIGN HARDWARE

Approved as complying with the  
Florida Building Code  
Date SEP 22, 2011  
NOA# 11-0516-11  
Miami Dade Product Control  
By Shag I. Chandra



MIAMI DADE COUNTY

NO.	DATE	DESCRIPTION
1	06-18-10	AS PER BCD COMMENTS

**MCY**  
**ENGINEERING, INC.**  
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DESIGN HARDWARE SERIES 2000 RIM EXIT DEVICE

SIGNATURE HARDWARE LLC

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P: (877) - 258 - 1262

DATE	04/13/11
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	UCY11-025
DRAWING NO.	AD11-10
	3 OF 3